

STATE OF HAWAII
STATE PROCUREMENT OFFICE
HONOLULU, HAWAII

Legal Ad Date: April 9, 1998

INVITATION FOR BIDS

NO. IFB-98-149-O

SEALED BIDS

FOR

FURNISHING AND DELIVERING

One (1) Tilt Cab & Chassis Fitted Truck with
Twenty (20) Cubic Yard Capacity
Rear Loading Refuse Body System

and

One (1) Tilt Cab & Chassis Fitted Truck with
Roll Off System

Department of Transportation
Harbors Division, Oahu District

will be received up to and opened at 2:00 P.M. (HST)

on

April 24, 1998

in the State Procurement Office, Kalanimoku Building, 1151 Punchbowl
Street, Room 416, Honolulu, Hawaii 96813.

Questions relating to this bid solicitation may be directed to
Alvin Washiashi at (808) 586-0571; facsimile (808) 586-0570.

ROBERT J. GOVERNS, CPPB
Procurement Officer

ONE (1) NEW TILT CAB & CHASSIS FITTED TRUCK WITH
TWENTY CUBIC YARD CAPACITY REAR LOADING REFUSE BODY SYSTEM AND
ONE (1) NEW TILT CAB & CHASSIS FITTED TRUCK WITH ROLL OFF SYSTEM
FOR DEPARTMENT OF TRANSPORTATION
HARBORS DIVISION, OAHU DISTRICT
NO. IFB-98-149-O

Procurement Officer
State Procurement Office
State of Hawaii
Honolulu, Hawaii 96813

Dear Sir:

The undersigned has carefully read and understands the terms and conditions specified in the Specifications and Special Provisions attached hereto, and in the General Terms and Conditions dated September 1, 1995 by reference made a part hereof and available upon request; and hereby submits the following offer to perform the work specified herein, all in accordance with the true intent and meaning thereof.

The undersigned further understands and agrees that by submitting this offer, 1) he/she is declaring his/her offer is not in violation of Chapter 84, Hawaii Revised Statutes, concerning prohibited State contracts, and 2) he/she is certifying that the price(s) submitted was (were) independently arrived at without collusion.

Date: _____

Respectfully submitted,

Telephone No.: _____

Exact Legal Name of Offeror

Fax No.: _____

Payment address, if other than
Street address at right:

Authorized Signature (Original)

Title

Title

Hawaii General Excise Tax Lic.
I.D. No.: _____

Street Address

Social Sec. or Federal I.D. No.: _____

City, State, Zip Code

If offeror shown above is a "dba" or a "division" of a corporation, furnish the exact legal name of the corporation under which the contract, if awarded, will be executed:

Offeror is: ____ Individual ____ Partnership ____ Corporation ____ Joint Venture

State of incorporation: Hawaii ____ *Other _____

*If "other", is corporate seal available in Hawaii? ____ Yes ____ No

The following bid is hereby submitted:

<u>Item No.</u>	<u>Description</u>
1	One (1) only, new 1998 or Latest model year, Tilt Cab & Chassis Fitted Truck with 20 Cubic Yard Capacity Rear Refuse Loading Body System as specified herein: Manufacturer & Model No. of Cab and Chassis _____ a. Engine Make & Model No. _____ b. Engine Size: Number Of liters & Cylinders _____ Vehicle to include the following accessories installed: a. Refuse Body Make & Model _____ b. Hydraulic System Make & Model _____ Total Bid Price: \$ _____ Less Trade-In: 1978 International Truck Lic. 4971 \$ _____ Net Total Bid Price \$ _____
2	One (1) only, new 1998 or Latest model year, Tilt Cab & Chassis Fitted Truck with Roll Off System, as specified herein: Manufacturer & Model No. of Cab & Chassis _____ a. Engine Make & Model No. _____ b. Engine Size: Number Of liters & Cylinders _____ Vehicle to include the following accessories installed: a. Roll Off System Make & Model _____ b. Make & Model No. Of Roll Off system _____ Total Bid Price: \$ _____ Less Trade-In: 1981 International Lic. 4972 \$ _____ Net Total Bid Price \$ _____

Vehicle shall be delivered as follows within 120 calendar days from official commencement date on the Notice To Proceed.

Delivery Address

Department of Transportation
Harbors Division, Oahu District
Barbers Point Harbor
Kapolei, Hawaii 96706

Contact

Mr Craig Fukuda
Ph. (808) 587-2056
Fax. (808) 587-2075

Offeror _____

Bidder's State License No. _____

Service & Repair Facility on island of Oahu:

Name _____

Address _____

Telephone No. _____

Contact: _____

Offeror _____

GENERAL SPECIFICATIONS

In addition to detailed specifications herein, the following requirements shall form a part of these specifications:

- a. Vehicle offered shall include any other standard features not listed but detailed in manufacturer's brochures and deemed necessary for the proper and safe operation of vehicle.
- b. Manufacturer's standard warranty and warranty documents. Warranty period shall begin from the date equipment is placed in service and shall be for a minimum period of one (1) year or for the period guaranteed by the manufacturer, whichever is longer.
- c. Contractor shall provide a copy of the owner-operator manual and service/repair manual at the time vehicle is delivered.
- d. Vehicle shall include and comply with all Federal Motor Vehicle Safety Standards. Vehicle shall also comply with the Code of Federal Regulations, Title 40, Part 85: Control of Air Pollution from New Motor Vehicles and New Motor Vehicle Engines, Environmental Protection Agency.
- e. Vehicle shall be completely serviced and in full operational condition upon delivery.
- f. Accessory equipment installed on the vehicle shall be fully guaranteed by the Contractor against defects resulting from the use of defective or inferior materials or from neglect workmanship or against all design and manufacturing defects. Warranty period shall begin from the date equipment is placed in service and shall be for a minimum period of one (1) year or for the period guaranteed by the manufacturer, whichever is longer except for after market rustproofing which will be for a minimum Five (5) years, unlimited mileage requirement warranty. Warranty documents shall be delivered with the vehicle and shall detail manufacturer's obligation and warranty procedures. Contractor shall replace or repair defective material and/or workmanship at no cost to the State for parts and labor during the warranty period, provided such defects are not due to abuse or negligence on the part of the State.
- g. All equipment offered shall meet ANSI and OSHA safety requirements, and any other Federal or State safety requirements. If applicable or when requested, equipment shall bear a label or written documentation indicating approval of safety requirements from a bona fide testing laboratory.

MINIMUM SPECIFICATIONS

ITEM 1: New Tilt Cab & Chassis Fitted Truck with 20 Cubic Yard Capacity Rear Refuse Loading Body System

RUST PREVENTATIVE: The entire equipment, except for the interior of the refuse body shall be treated with complete after factory rustproofing, with minimum five (5) year, unlimited mileage requirement warranty.

MANUALS: Provide two (2) sets of operators manuals for truck and refuse body; shop repair and parts manual for truck and refuse body.

TRAINING: Contractor shall provide training for all operators and service personnel on site at request of receiving agency.

PAINT: Cab: State Buff
Frame: Glossy Black
Wheels: White or chrome

SAFETY REQUIREMENTS: Equipment provided shall meet all State and Federal Safety requirements upon delivery to the agency.

TILT CAB & CHASSIS FITTED TRUCK:

MODEL: 1998 or latest model

GVW: 40,400 lbs. minimum

WHEELBASE: 159" minimum; 138" useable cab to axle

ENGINE: 7.2 Liter, Caterpillar or equal, 300 horsepower turbocharged diesel electronic engine, 300 horsepower @ 2200 RPM, 288 hp @ 2400 RPM, 800 lb ft gross torque @ 1440 RPM or equal

ENGINE EQUIPMENT: RH vertical muffler and chrome tailpipe with protective stainless steel guard, rain cap, silicone hoses, Donaldson 14" dry type air cleaner, Horton fan clutch, spin on water filter, belly pan for engine oil pan protection, turbo heat shield, heavy duty radiator with a minimum of 1070 sq. inch frontal area

TRANSMISSION: Allison MD3060P five speed automatic transmission, electronic shift console (push-button type) within easy reach of driver, 1760 HD driveline

AXLE: Front: Rockwell FG941, 14,600 Lb. Capacity
Rear: Rockwell RS26-185 26,000 lb. Capacity, 6.14 ratio for top speed of approximately 63 mph, locking differential with dash mounted controls.

SPRINGS: Front: 16,000 lb. suspension with heavy duty shock absorbers and front mud flaps
Rear: 29,000 lbs. suspension, Reyco 102 or equal

DUST SHIELDS: Front and rear

SYNTHETIC LUBRICANTS: Shall be supplied in both axles, front and rear. Petroleum type lubricant will not be accepted.

STEERING: Power TRW TAS85

TIRES: Front: Three(3) 12R22.5H, 16 ply tubeless radials highway steer type, Michelin XZY-1 or equal

Rear: Five(5) 12R22.5H 16 ply tubeless radial highway traction type, Michelin XM+S4 or equal

WHEELS: Eight (8) 8.25" x 22.5", 10 Hole Stud type steel disc wheels

BRAKES: Four (4) channel ABS air brakes, Rockwell Q+ 16.5"x5" front and 16.5"x7" rear, MGM TR 3030" parking brakes, air dryer with heater, Rockwell front and rear automatic slack adjusters, automatic moisture ejector, 13.2 cfm air compressor, safety feature for parking brakes to automatically activate when ignition is turned off.

ELECTRICAL LIGHTS, ETC: 12 volt system negative ground, three (3) batteries rated @ 2775 CCA, 130 amp alternator, full instrumentation to include but not limited to:

Fuel, voltmeter, speedometer, tachometer, air cleaner restriction gauge (air cleaner mounted), air application, rear axle temp., trans temp., water temp., oil pressure gauges, visual/audible engine alarm system, HD turn signal/hazard warning, 5-roofmarker/I.D. lights, dual rectangular halogen headlights, front surfaced mounted directional lights above headlights with side mounted turn signals mounted behind doors, two (2) unity loading lights, bracket mounted, located at upper rear window corners with dash mounted switch, Kysor or equal solid state heavy duty flasher, two (2) each Whelen model 2010BLAZ amber strobe light, installed with 360 degree visibility in the center of the cab roof and on the top of the hopper.

CAB: 57.5" BBC tilt cab similar to Peterbilt 320 or Volvo WX64; to include steel frame with aluminum and fiberglass panels, all aluminum doors with piano type hinges, roll down windows, full insulation, 53 degree hydraulic tilt with pump, all exterior corners to be "full radius type" (90 degree exterior corners will not be accepted, no exceptions) throughout, 18" steering wheel, bright finish grille, dual rear cab fenders, service module back of cab (cab tilt pump, engine oil fill & dip stick, coolant fill & check, power steering reservoir & fill), door mounted arm rests, rubber floor mats, autumn smoke headliner & rear cab panel, gray vinyl engine tunnel cover, removable instrument panel, view window in RH door, 18" step height on each side, extended metal step with additional grabhandle LH & RH, inside door panels be padded vinyl, rear fixed window to be a minimum of 18.5" height x 54" length, two (2) inside sunvisors, rain gutters over both doors, tinted glass.

FRAME: 110,000 psi yield strength steel frame, to include full liner reinforcement, minimum 2,900,000 RBM, 10 3/4" x 3 1/2" X 3/8" steel rails and steel crossmembers.

FUEL TANK: One (1) aluminum 23" cylindrical, 50 gallon capacity, frame mounted RH BOC, single draw/single return with top draw and shut off valve.

BATTERY BOX: Aluminum construction, frame mounted LH BOC

HORNS: Hadley 20" dual chrome air horns, cb mounted, and single electric horn.

MIRRORS: Dual outside 7" x 16" stainless steel heads and brackets with 8" spot mirrors mounted below.

SEATS: Driver seat shall be Talladega 905 mid back vinyl air suspension, black in color, with provisions for two (2) additional sets for two (2) passengers. Three (3) federally approved seta belts for all three persons.

ACCESSORIES:

- a: 5 lb dry chemical fire extinguisher and triangle warning kit, to be mounted in cab.
- b: Integral air conditioning
- c: AM/FM stereo radio
- d: Electronic reverse alarm
- e: Two (2) speed electric windshield wipers with intermittent feature.
- f: Heavy duty chromed steel bumper with two front tow hooks or pins.

REAR REFUSE LOADING BODY SYSTEM:

MODEL: Shall be similar in size, design, capacity and general qualities to the Heil Formula 4000 or Leach Alpha meeting the following minimum specifications.

TYPE: Rear loading, completely hydraulically operated refuse collection body.

POWER:

- (a) The power to operate the packing and unloading of the refuse body shall be by air actuated Chelsea Model A27 series or equal, hot shift PTO with hydraulic pump. The PTO shall be constant mesh type with built-in clutch that can activate the refuse packing operation only when the transmission is in the neutral position. A system that provides for refuse packing in any gear range shall be rejected.
- (b) Shall provide a system so that the operator cannot speed up the packing cycle by increasing the engine rpm. Said system shall have an overspeed switch integrally mounted in the PTO such that when the engine rpm exceeds 1200 rpm, the PTO automatically disengages and the packing cycle stops. The PTO shall automatically re-engage when the engine rpm drops below 800 rpm and the packing cycle shall continue.

LOW RPM HYDRAULIC (a) Hydraulic System: The hydraulic system to operate the packing and unloading of the refuse body assembly shall be the manufacturer's standard hydraulic and pump system unless otherwise specified.

DRIVE LOADING (b) Low RPM System: Loading and unloading of the refuse packing system shall be operated at engine speed not to exceed 1200 rpm.

CYCLE TIME AND (c) Reload Time: From the time the packing system is actuated to the time the packing blade stops at the automatic safety stop said time shall not exceed 10 seconds.

DBA REQUIREMENTS (d) Total Packing Cycle Time: Packing cycle time, exclusive of safety stop, shall be a minimum of 20 seconds and maximum of 24 seconds for a full cycle.

	(e) DBA Requirements: With engine in governed speed and refuse packing system in operation, the dba reading shall not exceed 75 dba all around the vehicle from a distance of 50 feet.
OPERATING CONTROLS:	<p>(a) The packing cycle shall be activated by means of a mechanically operated lever control system. An electrically operated lever control system shall be rejected.</p> <p>(b) The packing controls shall be located rear side of hopper panel.</p> <p>(c) There shall be an emergency stop system to stop or reverse the packing cycle. The controls shall be mechanically operated and installed in the rear, one on each side of the refuse body. Said stop system when activated shall not affect or shut the vehicle off.</p> <p>(d) There shall be a safety stop system that automatically stops the packing blade approximately 5" to 10" from the hopper lid, on each packing cycle. The operator shall then continue the packing cycle by activating the lever control.</p> <p>(e) There shall be two (2) buttons, one (1) on each side of the rear hopper to activate the driver warning buzzer in the cab.</p>
CONSTRUCTION:	Shall be heavy duty type, of steel construction, properly reinforced. The channel crossmembers on the roof and sides of the refuse body shall be solid or continuously welded. All hydraulic lines on the roof of refuse body shall be secured to the top of the channel crossmembers reinforcements and not through it.
BODY INTERIOR:	The inner body surfaces of the floor, sides and roof shall be smooth. In order to prevent damages from corrosion and fire, all hydraulic cylinders, lines, valves and other component shall not come in contact with the refuse packed into the body.
CAPACITY:	20 cubic yards exclusive of tailgate
DIMENSIONS:	<p>a) Overall Length: Approximately 228" to 233" overall length of the body floor, from the back of the cab to the end of the tailgate in the closed position.</p> <p>b) Overall Width: Approximately 95 1/2"</p> <p>c) Overall Height: Approximately 83" to 94" above truck frame.</p>
TAILGATE:	<p>a) Type: The hopper shall be stationary type with loading height in accordance with the current containers being used within the agency, no exceptions.</p> <p>b) Hopper Protection: To protect the hopper from excessive wear, 3/8" x 3" x 42" T-2 steel wear bars spaced 4" apart to be tacked welded full width or full 1/4" steel liner across the bottom of the hopper.</p> <p>c) Capacity: Minimum three (3) cubic yards, no exception.</p> <p>d) Operation: The packing assembly shall be able to crush and pack bulky items in addition to normal household refuse such as but not limited to water heaters, wooden crates, cardboard etc.</p>

HOPPER OPEN DIMENSIONS:	<ul style="list-style-type: none"> a) Width 78" minimum b) Height: 46" minimum
EJECTOR PANEL:	<p>Discharge of refuse shall be by means of positive ejection. Telescopic cylinder shall move ejector panel full length of body and retract after unloading. Panel shall not bind under all operations. After initial discharge, ejector panel shall be free of all refuse. The panel shall have a smooth face. Any equipment offered which has a protrusion on the face of the ejector panel or any equipment offered whose ejector panel extends beyond the opening of the refuse body opening after the discharge operation shall be rejected.</p>
HYDRAULIC CYLINDERS:	<p>All manufacturer's required hydraulic cylinders for a complete refuse collection assembly shall be included, plus one (1) set of each cylinder shall be included to use as spares.</p>
HYDRAULIC:	<ul style="list-style-type: none"> a) Pump Operating Pressure: Manufacturer's standard operating pressure. b) Pressure Gauge and Valve: Hydraulic pressure gauge and shut off valve system on the return line shall be provided.
FILTER:	<p>Replaceable element in return line shall be provided.</p>
HEAVY DUTY BODY USAGE:	<p>Refuse body shall be able to withstand continuous operations at maximum imposed loads without harmful deformation excessive wear.</p>
MATERIALS:	<ul style="list-style-type: none"> a) Body Sides: 11 gauge steel b) Body Roof: 11 gauge steel c) Body Floor and tailgate: 11 gauge steel d) Ejector Panel: 12 gauge steel e) Packing Blades: 3/16" thick steel, packer blade to have wear slide bars, constructed of bronzed flat bars or 5% steel rollers; plastic or hard rubber shall be rejected. f) Hopper Floor: 3/16" steel plate g) Hopper Sides: 11 gauge steel
HYDRAULIC CONTAINER ATTACHMENT (HCA):	<p>Hydraulic container attachment system shall include, but not limited to: control lever, push rod, lift pad, container attachment. This system shall be in accordance with the existing containers being used within the agency, no exceptions. It is mandatory for all bidders are to inspect the containers, no exceptions.</p>
FLOODLIGHTS:	<p>Niterider 4 or equal to be mounted on top of rear hopper</p>
REAR STEPS AND GRAB HANDLES:	<p>Rear steps and grab handles shall be located on each side of the tailgate. Rear steps shall be fabricated with anti-skid top surface 14 1/2" deep from the hopper with 2" corner radius. Grab handles shall be 62" from the ground extending 20" upwards. Grab handles shall be mounted on the sides and shall not be projecting to the rear. Rear steps height shall be 18" and shall be up to and against refuse hopper eliminating any gaps. In addition, triangular shaped grab handles in both sides shall be approximately 82" from the ground extending 20" upwards in the hopper.</p>
"D" RINGS:	<p>One (1) "D" ring per side with harness shall be provided. "D" ring shall be welded to body exterior at location directed by receiving agency.</p>

TOOLBOX: One (1) toolbox constructed from expanded metal shall be installed on frame (a) rear curbside below body. Dimensions shall be in accordance to accommodate one (10 broom and one (1) shovel. Shall be painted black. One heavy duty toolbox installed on leftside below body to accommodate one 50 lb bag of absorbent material

SERVICE DOORS: If applicable, a sliding or hinged door shall be furnished to service ejector panel assembly.

MUD FLAPS: Front and rear mud flaps shall be provided and be of sufficient size to prevent mud from spattering onto the rear view mirrors and refuse collectors in the rear of the vehicle.

MINIMUM SPECIFICATIONS

ITEM 2: New Tilt Cab & Chassis Fitted Truck with Roll Off System

PAINT: Cab: State Buff
Frame: Glossy Black
Wheels: White or Chrome
Roll Off: Glossy Black

RUST PREVENTATIVE: The entire equipment shall be treated with rust preventative material with a complete after factory rustproofing, with minimum five (5) year, unlimited mileage requirement warranty.

MANUALS: Provide two (2) sets of operator manuals for truck and refuse body; shop repair and parts manual for truck and roll off system.

TRAINING: Contractor shall provide training for all operators and service personnel on site at the request of the receiving agency.

SAFETY REQUIREMENTS: Equipment provided shall meet all State and Federal Safety requirements upon delivery to the agency.

TILT CAB AND CHASSIS FITTED TRUCK:

MODEL: 1998 or latest model

GENERAL REQUIREMENTS: Furnish and deliver tilt cab and chassis fitted w/roll off system

GVWR: 64,000 lbs.

WHEELBASE: 209 inches maximum with 187.9 inches useable cab to trunnion

ENGINE: Electronic 11 Liter, Cummins, M11-330E+ or equal, turbocharged diesel engine, 350 hp @ 2200 RPM, 365 hp @ 1600 RPM, 1350 lb ft gross torque @ 1200 RPM or equal

ENGINE EQUIPMENT: RH vertical muffler and chrome tailpipe w/protective stainless steel guard, rain cap, silicone hoses, Donaldson 16" dry type air cleaner, belly pan to protect engine oil pan, Hurton fan clutch, spin on water filter, Fleetguard FS 1000 fuel filter, Cummins engine protection shutdown system, removable bugscreen, C-Brake by Jacobs (2 position), electronically govern top speed to a maximum of 65 mph, heavy duty radiator with a minimum of 1070 sq in frontal area.

TRANSMISSION: Fuller RTX14710C, ten speed, 1450 ft lb torque capacity, Spicer 15.5" ceramic dampened 7-spring clutch, 1810 HD driveline w/slotted rubber bearing mount, transmission oil to air cooler w/guard, synthetic lubricant

AXLES: Front: Rockwell FL941, 20,000 lb capacity, standard track.
Rear: Rockwell RT46-160P 46,000 lb capacity, complete with dash mounted controls for locking differential for inter-axles and wheel ends, 4.89 ratio.

SPRINGS: Front: Minimum 23,000 lb suspension, rear chalmers 854, 46,000 lb., 54" A.S. heavy duty shock absorbers, restriction cans, and high mount.

DUST SHIELDS: Front and rear

SYNTHETIC: Shall be supplied in all axles (front & rears) and transmission. Petroleum type will not be accepted.

STEERING: Power, Dual TRW TAS65

TIRES: Front: Three (3) 315/80R22.5L 20 ply tubeless radials highway steer type, Bridgestone M843 or equal
Rear: Nine (9) 11R22.5H 16 ply tubeless radial highway traction type, Bridgestone M711 or equal.

WHEELS: Front: Three (3) 9.00" X 22.5" 10 Hole Stud Type Steel Disc Wheels
Rear: Nine (9) 8.25" x22.5" 10 Hole Stud Type Steel Disc Wheels

BRAKES: 4 channel ABS air brakes, Rockwell Q+ 16.5" x 5" front and 16 1/2" x 7" rear, MGM TR 3030" parking brakes, air dryer with heater. Rockwell front and rear automatic slack adjusters, automatic slack adjusters, automatic moisture ejector, 13.2 cfm air compressor, safety feature for parking brakes to automatically activate when ignition is turned off.

ELECTRICAL LIGHTS, ETC.: 12 volts system negative ground, three batteries rated @ 2775 cca, 130 amp alternator,, full instrumentation to include but not limited to: fuel, voltmeter, speedometer, tachometer, hourmeter, air cleaner restriction gauge (air cleaner mounted), air application, rear axle temp (both axles), trans temp, water temp, and oil pressure gauges, visual/ audible engine alarm system, HD turn signal/hazard warning, 5-roof marker/I.D. lights dual rectangular halogen headlights, front surfaced mounted directional lights above headlights w/side mounted turn signals mounted behind doors, two (2) unity loading, bracket mounted, located at upper rear window corners with dash mounted switch, Kysor or equal solid state heavy duty flasher.

CAB: 57.5" BBC tilt cab similar to Peterbilt 320 or Volvo WX64; to include steel frame with aluminum and fiberglass panels, all aluminum doors with piano type hinges, roll down windows, full insulation, 53 degree hydraulic tilt with pump, all exterior corners to be "full radius type" (90 degree exterior corners will not be accepted), tinted glass throughout, 18" steering wheel, bright finish grille, dual rear cab fenders, services module back of cab (cab tilt pump, engine oil fill & dip stick, coolant fill & check, power steering reservoir & fill), door mounted arm rests, rubber floor mats, autumn smoke headliner & rear cab panel, gray vinyl engine tunnel cover, removable instrument panel, view window in RH door, 18" step height on each, extended metal step w/additional grabhandle LH & RH, inside door panels be padded vinyl, rear fixed window to be a minimum of 18.5 height x 54: length, two (2) inside sunvisors, rain gutters over both doors.

FRAME: 110,000 psi yield strength steel frame, to include full liner reinforcement, minimum 2,9000.000 RBM, 10 3/4" x 3 1/2" x 3/8" steel rails and steel crossmembers.

FUEL TANK: One (1) Aluminum 23" cylindrical, 70 gallon capacity, frame mounted RH BOC, single draw/single return with top draw and shut off valve. To include fuel cooler into system.

BATTERY BOX: Aluminum construction, frame mounted LH BOC

HORNS: Hadley 20" dual chrome air horns, cab mounted, and single electric horn.

MIRRORS: Dual outside 7" x 16" stainless steel heads and brackets with 8" spot mirrors mounted below.

SEATS: Driver and passenger shall be Talladega 905 mid back vinyl air suspension, black in color with federally approved seat belts for 2 persons.

ACCESSORIES:

- a. 5 lb dry chemical fire extinguisher and triangle warning kit, to be mounted in cab.
- b. Integral air conditioning
- c. AM/FM stereo radio
- d. Electronic reverse alarm
- e. Two (2) speed electric windshield wipers w/intermittent feature
- f. Heavy duty chromed steel bumper w/two (2) front tow hooks or pins.
- g. One (1) service and one (1) parts manuals.

ROLL OFF SYSTEM: Amrep Model AMRO-H-22 or equal

TYPE: Reeving type unit

RATED CAPACITY: 120,000 lb cylinder capacity, 30,000 lb line pull

CONTAINER CAPACITY: Up to 24' feet

RAIL SIZE: Rectangular tubing 12" x 4' x 3/8", length (approx) 23' 8"

RAIL WIDTH: 34"

CABLE: 7/8"

SUBFRAME (FISHPLATE): 1/4" x 24" x 120" 110,000 psi steel

HINGE PIN: Lower shaft shall be 3 1/2", upper shaft shall be 2 1/2"

DUMP ANGLE: Approximately 46 degrees

CABLE PULLEY: Eight inch (8") with bronze bushing

ROLLERS: Three (320 on each rail, four inch (4") in diameter with zerk fittings

HOIST CYLINDERS: Two (320 single stage, double acting, 77 1/2" in length, 6" outside diameter, 5 1/2" bore, 62 5/8" stroke, 3" chrome rod, material to be D.O.M. tubing

RECEIVING CYLINDERS: Single stage, double acting, 97 1/2" in length, 6 1/2" in diameter, 6" bore 83 5/8" stroke, 3" chrome plated rod, material to be D.O.M. tubing

PUMP: Commercial Intertech, 25 gpm @ 1000 rpm

OPERATING PRESSURE:	1,500 PSI
CONTROL VALVE:	Commercial Intertech A-35
HYDRAULIC TANK:	40 gallon capacity with sight gauge, RH frame mounted, steel construction
PTO:	Air shift type
CONTROLS:	Inside mounted on doghouse and outside mounted on the left side behind cab
TARP SYSTEM:	Electric, controls to be mounted LH BOC, open mesh type black tarp, one (1) electric motor with two (2) electric solenoids, approx 30 seconds to cover or uncover container.
REAR BUMPER:	Rear bumper shall be installed and to include tail, stop, backup lights and mud flaps.
FENDERS:	Full type, covering all rear tires, aluminum or stainless steel.
TOOLBOX:	One (1) 36" aluminum with lockable folding down door, LH frame mounted.

SPECIAL PROVISIONS

SCOPE

The furnishing and delivering of one (1) Tilt Cab and Chassis Fitted Truck with twenty (20) Cubic Yard Capacity Rear Loading Refuse Body System and one (1) Tilt Cab and Chassis Fitted Truck with Roll Off System for the Department Of Transportation, Harbors Division, Oahu District on the island of Oahu shall be subject to the Specifications, these Special Provisions and the General Terms and Conditions dated September 1, 1995 and included by reference. Copies of the General Terms and Conditions are available at the State Procurement Office, Room 416, 1151 Punchbowl Street, Honolulu, Hawaii 96813 and on the Internet at <http://www.state.hi.us>.

BIDDER QUALIFICATION

Service Facility. At the time of bidding, bidder shall have an established place of business with reasonable inventory of replacement parts and shop facility for repairing and servicing the vehicles and any accessories offered. Such facility shall be located on the island of Oahu.

If bidder does not have a facility on the island of Oahu, he shall arrange with a company on the island to provide the State with repair services, and shall furnish the name and address of this facility in the space provided on the Offer Form. The State reserves the right to inspect bidder's repair and service shop to determine acceptability under this requirement. Failure on the part of the bidder to meet this requirement shall result in rejection of bid.

State License. Chapter 437, HRS, as amended, provides for regulating and licensing of motor vehicle manufacturers and distributors and their branches and representatives, motor vehicle dealers, salesmen, auctions and auctioneers and any other persons engaged in the business of selling or purchasing motor vehicles in the State of Hawaii. Therefore, all prospective bidders who are interested in selling vehicles to the State of Hawaii shall provide proof that they do meet and satisfy the licensing requirement set forth in said statute by listing the license number in the space provided on the Offer Form.

Chapter 437-2(e) provides that, notwithstanding any provisions of Chapter 437, the authority of any State agency to purchase motor vehicles for State use from any dealer licensed under this chapter shall not be limited or conditioned. Any dealer licensed under this chapter may sell vehicles to any State agency notwithstanding section 437-2(b).

"Motor vehicle" includes any vehicle, motor vehicle, or truck, as defined in Sections 249-1 and 249-2, HRS, as amended, except for tractors, trailers and amphibious vehicles.

BID PREPARATION

Offeror Form, Page OF-1. Offeror is requested to submit its offer using offeror's exact legal name as registered with the Department of Commerce and Consumer Affairs, if applicable; and to indicate exact legal name in the appropriate space on Offer Form, page OF-1. Failure to do so may delay proper execution of the contract.

Offeror's authorized signature shall be an original signature in ink. If Offer Form, page OF-2, is unsigned or the affixed signature is a facsimile or a photocopy, the offer shall be automatically rejected unless accompanied by other material, containing an original signature, indicating the offeror's intent to be bound.

Tax Liability. Unless the Hawaii Revised Statutes (HRS) exempts a person from paying the applicable general excise tax, work to be performed under this solicitation is a business activity taxable under Chapter 237, HRS and Chapter

Tax Liability. (continued)

238, HRS, where applicable. Both out-of-state vendors and Hawaii vendors are advised that the gross receipts derived from this solicitation are subject to the general excise tax imposed by Chapter 237, HRS, at the current rate of 4%, and where applicable to tangible property imported into the State of Hawaii for resale, subject to the 1/2% use tax imposed by Chapter 238, HRS.

The "State of Hawaii Information of Hawaii State Taxes Administered by the Department of Taxation", Publication 1 (November 1993) is included herein by reference and available in the State Procurement Office, 1151 Punchbowl Street, Room 416, Honolulu, Hawaii 96813, upon request.

Pursuant to Section 103-53.5, HRS, where the offeror is exempted from paying the applicable general excise tax, the price package offered, for the purpose of determining the lowest price bid, shall be increased by the applicable retail rate of general excise tax (4%) and the applicable use tax (1/2%). The lowest responsible offeror, taking into consideration the above increases, shall be awarded the contract, but the contract amount of any contract awarded shall be the amount of the bid offered and shall not include the amount of the increase(s).

Bid Price. Bid price quoted shall be based on delivery to destination and shall include all other costs and applicable taxes. Bid shall also include, when applicable, cost for installation of accessories, modifications of unit and instructional training in the use of the accessory equipment and vehicle.

Tax Clearance. An **original or certified copy** of a tax clearance certificate issued by the Hawaii State Department of Taxation (DOTAX) and the Internal Revenue Service (IRS) must be submitted with offeror's sealed offer by the due date and time.

The tax clearances from DOTAX and IRS shall be obtained on the attached one-page, two-sided **Tax Clearance Application (Form A-6, Rev.1998)** which is accompanied by Instructions that offerors should carefully read. Effective March 1, 1998, only this revised Form A-6 will be accepted by DOTAX and IRS.

Out-of-state offerors should mail their application to DOTAX's Oahu District Office.

Effective 12/1/97 tax clearance certificates are valid for a **six-month** (not 180 day) period beginning on the later dated DOTAX or IRS approval stamp. For example, a 12/15/97 certificate is valid through 6/15/97.

The tax clearance submitted with the sealed offer must be valid on the solicitation's legal ad date or any date thereafter up to the offer due date. A valid tax clearance received with the offer will remain valid for the contract award.

For the purpose of this solicitation the State Procurement Office will accept the attached completed SPO Form TEMP B, "Certification for Tax Clearance" in place of the DOTAX Form A-6 (Rev.1998), if offeror is unable to obtain a tax clearance certificate in time for submittal with the sealed offer. However, the successful offeror is required to submit a tax clearance certificate prior to award.

NOTE: The above tax clearance requirement is in addition to the requirement for final payment. Refer to the special provisions on INVOICING below for information on the tax clearance requirement for final payment.

Make, Model and Other Information. Bidder must identify on the offer the year of manufacture, the exact manufacturer name and make and model number of vehicles offered. Failure to do so or the inclusion of remarks such as "as specified" shall be sufficient grounds for rejection of bid.

Make, Model and Other Information (continued)

If additional space is needed to provide complete product identification, bidder may attach a separate sheet to the bid for that purpose. No bidder will be allowed to clarify product identification after bid opening. This is to assure that all bids are submitted under the same conditions with no opportunity for one bidder to have an advantage over any other bidder after exposure of offers. Failure to offer equipment as specified may result in rejection of bid.

Brochures and Specifications Literature. Unless previously submitted to the State Procurement Office, the bidder shall submit with the bid, current brochures and/or specifications literature. Upon request, bidder shall furnish at his own expense and within five working days from date of State's request, any further information required to determine acceptability of vehicle or accessory equipment offered.

Trade-in. The Trade-in unit will be available for inspection by interested bidders at the delivery location. Bidders shall contact the agency indicated herein prior to attending inspection visit.

It shall be the bidder's responsibility to meet with the agency and to inspect the trade-in unit for its general condition prior to bid opening. It shall also be the responsibility to determine which, if any, of the optional accessories and/or equipment either installed or contained within the trade-in unit is considered a part of the trade-in. Bidders are advised that the condition of the trade-in will be dependent upon continued use of the vehicle until the new vehicle is satisfactorily delivered; vehicle will therefore be subject to normal "wear and tear".

Offer Guaranty. Bid security deposit is not required for this bid.

METHOD OF AWARD

Award, if any, shall be made to the responsive, responsible bidder submitting the lowest Net Total Bid Price for Item 1 and Item 2. Bidder need not bid on both items.

CONTRACT EXECUTION

For contract award totaling \$25,000 or more, the State shall forward a formal contract to the successful bidder for execution. The contract shall be executed by the Contractor and returned within ten (10) days in accordance with Section 3.3 of the General Terms and Conditions. No performance or payment bond shall be required for this contract.

No work is to be undertaken by the Contractor prior to the commencement date specified on the Notice to Proceed. The State of Hawaii is not liable for any work, contract, costs, expenses, loss of profits, or any damages whatsoever incurred by the Contractor prior to official starting date.

QUALITY OF EQUIPMENT

New vehicles furnished under this provision shall be of the best quality of its respective kind, and shall be completely assembled and free from defects which may render them unfit for use. No payment, whether partial or final, shall be construed to be an acceptance of defective work.

All Vehicles furnished shall include and comply with all Federal Motor Vehicle Safety Standards. Vehicles furnished shall also comply with the Code of Federal Regulations, Title 40, Part 85: Control of Air Pollution from New Motor Vehicles and New Motor Vehicle Engines, Environmental Protection Agency.

The State may, at any time and by written order, stop delivery of any vehicle not conforming to these specifications. Such stop order shall not relieve the Contractor of his obligation to complete his contract within the contract time limits nor shall it in any way terminate, cancel or abrogate the contract or any part thereof.

DELIVERY

Vehicle furnished under these specifications shall be delivered to the location listed on the Offer Form page OF-2 within one hundred twenty (120) calendar days of the official commencement date on the Notice To Proceed. Representatives of both the Contractor and State shall be present at the delivery site for purposes of visual inspection, acceptance, and, if necessary, for instruction in use of equipment.

Prior to delivery, Contractor must contact the State representative listed to coordinate delivery arrangements.

CERTIFICATES REQUIRED

- a. Hawaii Safety Inspection Certificate (in duplicate) and decal;
- b. Application for Registration of Passenger Carrying Motor Vehicle, Form #DF-L-1 (Rev. 1/84) or its latest revision;
- c. Odometer Certificate;
- d. Notarized Certificate of Bill of Sale (not required for Oahu dealerships);

These certificates are essential for the proper registration and licensing of used and new vehicles. Therefore, acceptance of and payment for the vehicle delivered will not be made without submittal of necessary certificates. The agency shall be responsible for registering and licensing of this vehicle; this procedure shall be conducted in the County where the vehicle is delivered. Contractor shall provide temporary license plates to be used during the interim period prior to acquisition of State of Hawaii license plates.

LIQUIDATED DAMAGES

Refer to Section 6.12 of the General Terms and Conditions. Liquidated damages is fixed at the sum of TEN DOLLARS (\$10.00) for each and every day the Contractor delays in the completion of any item of his contract after the required date of said completion.

DELIVERY EXTENSION

Contractor shall complete delivery within one hundred twenty (120) calendar days from the official commencement date on the Notice to Proceed as noted in the DELIVERY provision. If Contractor fails to deliver within the time allowed, liquidated damages as specified herein shall apply. However, Contractor will not be held responsible for delays due to reasons beyond his control, provided he submits written notification of such delays prior to the delivery deadline. This notification shall be submitted to the Procurement Officer and shall detail the reasons for the delays and shall include appropriate documentation. No delivery extension will be considered without proper documentation.

INVOICING

Contractor shall submit original and three copies of the invoice to the following address:

Department Of Transportation
Harbors Master's Office
700 Fort Street
Honolulu, Hawaii 96817
Attn: Craig Fukuda
Kapolei, Hawaii 96706

SPECIAL PROVISIONS

Invoice should reference both the contract number and the Invitation For Bids number.

A tax clearance certificate must accompany the invoice for final payment and shall be an original or certified copy, not over two-months old.

PAYMENT

Section 103-10, Hawaii Revised Statutes (HRS), provides that the State shall have thirty (30) calendar days after receipt of invoice or satisfactory delivery of goods to make payment. For this reason, the State will reject any bid submitted with a condition requiring payment within a shorter period. Further, the State will reject any bid submitted with a condition requiring interest payments greater than that allowed by Section 103-10, HRS, as amended.

The State will not recognize any requirement established by the Contractor and communicated to the State after award of the contract, which requires payment within a shorter period or interest payment not in conformance with statute.

WARRANTY

Contractor shall provide all warranties for this new vehicle as noted on General Specifications, page S-1.

ADDITIONS AND EXCEPTIONS TO THE GENERAL TERMS AND CONDITIONS

Approvals. Any agreement arising out of this offer is subject to the approval of the Department of the Attorney General as to form, and to all further approvals, including the approval of the Governor, required by statute, regulation, rule, order, or other directive.

Cancellation of Solicitations and Rejection of Offers. The solicitation may be cancelled or the offers may be rejected, in whole or in part, when in the best interest of the purchasing agency, as provided in Sections 3-122-95 through 3-122-97, Hawaii Administrative Rules.

Provisions from the General Terms and Conditions Not Applicable. Sections 2.11 and 2.14 of the General Terms and Conditions which apply specifically to the Request for Proposals method of source selection are not applicable to Invitation for Bids. Also Sections 2.10 and 2.13 which apply specifically to the Invitation for Bids method of source selection are not applicable to Requests for Proposals.

Records Retention. The Contractor and any subcontractors shall maintain the books and records that relate to the Agreement and any cost or pricing data for three (3) years from the date of final payment under the Agreement.

Preparation of Offer. General Terms and Conditions Section 2.5, paragraph four, is rescinded and replaced with the following:

"An offeror may submit only one offer in response to a solicitation. If an offeror submits more than one offer in response to a solicitation, then all such offers shall be rejected. Similarly, an offeror may submit only one offer for each line item (if any) of a solicitation. If an offeror submits more than one offer per line item, then all offers for that line item shall be rejected."

Preference for Hawaii Products. General Terms and Conditions Section 3.1(B), paragraphs one and two only are rescinded and replaced with the following: "A purchasing agency shall review all specifications in a bid or proposal for purchase from the Hawaii products list where these products are available; provided that the products: Meet the minimum specifications and the selling price f.o.b. jobsite; unloaded, including applicable general excise tax and use tax, does not exceed the lowest delivered price in Hawaii f.o.b. jobsite; and unloaded, including applicable general excise tax and use tax, does not exceed the lowest delivered price of a similar non-Hawaii product by more than: three per cent where class I Hawaii products are involved; five per cent where class II Hawaii products are involved; or ten per cent where class III Hawaii products are involved.

All persons submitting bids or proposals to claim Hawaii products preference shall designate in their bids which individual product and its price is to be supplied as a Hawaii product.

Where a bid or proposal contains both Hawaii and non-Hawaii products, then for the purpose of selecting the lowest bid or purchase price only, the price bid or offered for a Hawaii product item shall be decreased by subtracting therefrom: three per cent, five per cent, or ten per cent for the class I, class II, or class III Hawaii product items bid or offered, respectively. The lowest total bid or proposal, taking the preference into consideration, shall be awarded the contract unless the bid or offer provides for additional award criteria. The contract amount of any contract awarded, however, shall be the amount of the bid or price offered, exclusive of the preferences."

Printing Preference. General Terms and Conditions Section 3.1(C), paragraphs one and two are rescinded and replaced with the following: "All bids or proposals submitted for a printing, binding, or stationery contract in which all work will be performed in-state, including all preparatory work, presswork, bindery work, and any other production-related work shall received a fifteen per cent preference for purposes of bid or proposal evaluation.

Where bids or proposals are for work performed in-state and out-of-state, then for the purpose of selecting the lowest bid or evaluating proposals submitted only, the amount bid or proposed for work performed out-of-state shall be increased by fifteen per cent. The lowest total offer, taking the preference into consideration, shall be awarded the contract unless the solicitation provides for additional award criteria. The contract amount awarded, however, shall be the amount of the price offered, exclusive of the preference."

Bond Forms. The bond forms, Exhibits B through H, are replaced by the forms issued by the Procurement Policy Board Directive No. 1997-01, dated November 12, 1997, included herein by reference and made a part hereof. Copies of the bond forms are available at the State Procurement Office, 1151 Punchbowl Street, Room 416, Honolulu, Hawaii 96813.